Int J Biomed Computing, 22 (1988) 303—306
Elsevier Scientific Publishers Ireland Ltd.

INTERNATIONAL JOURNAL OF BIOMEDICAL COMPUTING

SUBJECT INDEX

Volume 22 (1988)

Action potential, computer analysis, intestinal electromyogram, spike recognition, intestinal motility, migrating myoelectric complex, 51
Algorithm evaluation, ECG processing, program performance evaluation, quantitative electrocardiography, 199
Amphipathicity, hydrophobicity, thermal mobility, structural diversity and similarity, immunogenicity, antigenicity, 165
Analysis of variance, BASIC program, rheumatic arthritis, significant test, microcomputer, 65
Animal models of depression, learned helplessness, inescapable shock, uncontrollable shock, 265
Antigenicity, hydrophobicity, amphipathicity, thermal mobility, structural diversity and similarity, immunogenicity, 165
Arctic animals, computer-assisted thalamotomy, metanalysis, Parkinson's disease treatment, satellite tracking, 77
Autoregressive model, EEG, spectral analysis, brain rhythm generators, 97
A periodic sampling, EEG data compression, local error measure, real-time, 83

Bacterial identification, Bayesean probability, microcomputer, PASCAL, 107
BASIC program, analysis of variance, rheumatic arthritis, significant test, microcomputer, 65
Bayesean probability, bacterial identification, microcomputer, PASCAL, 107
Bayes classifier, brainstem auditory evoked potentials, multiple sclerosis, head injury, statistical pattern recognition, Fisher's linear discriminant function, 9
Beat-to-beat difference, fetal heart rate, regulatory mechanism, multivariate analysis, factor analysis, 29
Brainstem auditory evoked potentials, multiple sclerosis, head injury, statistical pattern recognition, Bayes classifier, Fisher's linear discriminant function, 9
Brain rhythm generators, EEG, autoregressive model, spectral analysis, 97

CAMAC standard, data acquisition system, IBM PC microcomputer, fast transient signals, excitable membranes, transmembrane currents, human heart cells, 273
Cardiac assist devices, cardiovascular system, pulsatile model, simulation language, interactive simulation, 39
Cardiovascular system, pulsatile model, simulation language, interactive simulation, cardiac assist devices, 39
Cat, emesis, Kolmogorov-Smirnov statistic, statistics, 295
Cellular, immunity, method, quantitation, 225
Cell cycle, flow cytofluorimetry, lymphocyte stimulation, surface markers, mathematical modelling, 285
Cleavage(s), peptide(s), proteolysis, computer-program(s), isoelectric, mass spectrometry, 259
Co-occurrence matrix, ultrasonic tissue characterisation, texture analysis, depth compensation, 143
Computer-assisted thalamotomy, arctic animals, metanalysis, Parkinson's disease treatment, satellite tracking, 77
Computer-program(s), peptide(s), proteolysis, cleavage(s), isoelectric, mass spectrometry, 259
Computers in AIDS, computer diagnosis in MRI, psychiatrist for machines, 3
Computer analysis, intestinal electromyogram, action potential, spike recognition, intestinal motility, migrating myoelectric complex, 51
Computer diagnosis in MRI, computers in AIDS, psychiatrist for machines, 3
Computer graphics, DNA, electrophoresis, densitometry, graphical kernel system, 121

Data acquisition system, IBM PC microcomputer, CAMAC standard, fast transient signals,

excitable membranes, transmembrane currents, human heart cells, 273
Densitometry, DNA, electrophoresis, graphical kernel system, computer graphics, 121
Depth compensation, ultrasonic tissue characterisation, texture analysis, co-occurrence matrix, 143
DNA, electrophoresis, densitometry, graphical kernel system, computer graphics, 121

ECG processing, program performance evaluation, algorithm evaluation, quantitative electrocardiography, 199
EEG, autoregressive model, spectral analysis, brain rhythm generators, 97
EEG data compression, local error measure, a periodic sampling, real-time, 83
Electrophoresis, DNA, densitometry, graphical kernel system, computer graphics, 121
Emergency units, microcomputer infection analysis, information system, 183
Emesis, cat, Kolmogorov-Smirnov statistic, statistics, 295
Excitable membranes, data acquisition system, IBM PC microcomputer, CAMAC standard, fast transient signals, transmembrane currents, human heart cells, 273
Expert system, urinary incontinence, urodynamics, 217
Eye movements, saccades, syntactic pattern recognition, 239

Factor analysis, fetal heart rate, beat-to-beat difference, regulatory mechanism, multivariate analysis, 29
Fast transient signals, data acquisition system, IBM PC microcomputer, CAMAC standard, excitable membranes, transmembrane currents, human heart cells, 273
Fetal heart rate, beat-to-beat difference, regulatory mechanism, multivariate analysis, factor analysis, 29
Fisher's linear discriminant function, brainstem auditory evoked potentials, multiple sclerosis, head injury, statistical pattern recognition, Bayes classifier, 9
Flow cytofluorimetry, lymphocyte stimulation, cell cycle, surface markers, mathematical modelling, 285

Graphical kernel system, DNA, electrophoresis, densitometry, computer graphics, 121

Head injury, brainstem auditory evoked potentials, multiple sclerosis, statistical pattern recognition, Bayes classifier, Fisher's linear discriminant function, 9
HLA-matching, transplantation, tissue antigens, 251
Human heart cells, data acquisition system, IBM PC microcomputer, CAMAC standard, fast transient signals, excitable membranes, transmembrane currents, 273
Hydrophobicity, amphipathicity, thermal mobility, structural diversity and similarity, immunogenicity, antigenicity, 165

IBM PC microcomputer, data acquisition system, CAMAC standard, fast transient signals, excitable membranes, transmembrane currents, human heart cells, 273
Immunity, cellular, method, quantitation, 225
Immunogenicity, hydrophobicity, amphipathicity, thermal mobility, structural diversity and similarity, antigenicity, 165
Inescapable shock, learned helplessness, animal models of depression, uncontrollable shock, 265
Infection analysis, microcomputer, emergency units, information system, 183
Information system, microcomputer, infection analysis, emergency units, 183
Interactive simulation, cardiovascular system, pulsatile model, simulation language, cardiac assist devices, 39
Intestinal electromyogram, computer analysis, action potential, spike recognition, intestinal motility, migrating myoelectric complex, 51
Intestinal motility, computer analysis, intestinal electromyogram, action potential, spike recognition, migrating myoelectric complex, 51
Isoelectric, peptide(s), proteolysis, cleavage(s), computer-program(s), mass spectrometry, 259

Kolmogorov-Smirnov statistic, cat, emesis, statistics, 295

Laboratory evaluation by EXPERT system, programmed drug pumping, telemetric video monitoring, 159
Learned helplessness, inescapable shock, animal models of depression, uncontrollable shock, 265
Local error measure, EEG data compression, a periodic sampling, real-time, 83

Lymphocyte stimulation, flow cytofluorimetry, cell cycle, surface markers, mathematical modelling, 285

Mass spectrometry, peptide(s), proteolysis, cleavage(s), computer-program(s), isoelectric, 259
Mathematical model, tumor growth, 135
Mathematical modelling, flow cytofluorimetry, lymphocyte stimulation, cell cycle, surface markers, 285
Metanalysis, arctic animals, computer-assisted thalamotomy, Parkinson's disease treatment, satellite tracking, 77
Method, immunity, cellular, quantitation, 225
Microcomputer, bacterial identification, Bayesean probability, PASCAL, 107
Microcomputer, BASIC program, analysis of variance, rheumatic arthritis, significant test, 65
—, infection analysis, emergency units, information system, 183
Migrating myoelectric complex, computer analysis, intestinal electromyogram, action potential, spike recognition, intestinal motility, 51
Monitoring, residency training, residency training content, 233
Multiple sclerosis, brainstem auditory evoked potentials, head injury, statistical pattern recognition, Bayes classifier, Fisher's linear discriminant function, 9
Multivariate analysis, fetal heart rate, beat-to-beat difference, regulatory mechanism, factor analysis, 29

Parkinson's disease treatment, arctic animals, computer-assisted thalamotomy, metanalysis, satellite tracking, 77
PASCAL, bacterial identification, Bayesean probability, microcomputer, 107
Peptide(s), proteolysis, cleavage(s), computer-program(s), isoelectric, mass spectrometry, 259
Programmed drug pumping, laboratory evaluation by EXPERT system, telemetric video monitoring, 159
Program performance evaluation, ECG processing, algorithm evaluation, quantitative electrocardiography, 199
Proteolysis, peptide(s), cleavage(s), computer-program(s), isoelectric, mass spectrometry, 259
Psychiatrist for machines, computers in AIDS, computer diagnosis in MRI, 3
Pulsatile model, cardiovascular system, simulation language, interactive simulation, cardiac assist devices, 39

Quantitation, immunity, cellular, method, 225
Quantitative electrocardiography, ECG processing, program performance evaluation, algorithm evaluation, 199

Real-time, EEG data compression, local error measure, a periodic sampling, 83
Regulatory mechanism, fetal heart rate, beat-to-beat difference, multivariate analysis, factor analysis, 29
Residency training, monitoring, residency training content, 233
Residency training content, monitoring, residency training, 233
Rheumatic arthritis, BASIC program, analysis of variance, significant test, microcomputer, 65

Saccades, eye movements, syntactic pattern recognition, 239
Satellite tracking, arctic animals, computer-assisted thalamotomy, metanalysis, Parkinson's disease treatment, 77
Significant test, BASIC program, analysis of variance, rheumatic arthritis, microcomputer, 65
Simulation language, cardiovascular system, pulsatile model, interactive simulation, cardiac assist devices, 39
Spectral analysis, EEG, autoregressive model, brain rhythm generators, 97
Spike recognition, computer analysis, intestinal electromyogram, action potential, intestinal motility, migrating myoelectric complex, 51
Statistical pattern recognition, brainstem auditory evoked potentials, multiple sclerosis, head injury, Bayes classifier, Fisher's linear discriminant function, 9
Statistics, cat, emesis, Kolmogorov-Smirnov statistic, 295
Structural diversity and similarity, hydrophobicity, amphipathicity, thermal mobility, immunogenicity, antigenicity, 165
Surface markers, flow cytofluorimetry, lymphocyte stimulation, cell cycle, mathematical modelling, 285
Syntactic pattern recognition, eye movements, saccades, 239

Telemetric video monitoring, laboratory evaluation by EXPERT system, programmed drug pumping, 159
Texture analysis, ultrasonic tissue characterisation, depth compensation, co-occurrence matrix, 143
Thermal mobility, hydrophobicity, amphipathicity, structural diversity and similarity, immunogenicity, antigenicity, 165
Tissue antigens, HLA-matching, transplantation, 251
Transmembrane currents, data acquisition system, IBM PC microcomputer, CAMAC standard, fast transient signals, excitable membranes, human heart cells, 273
Transplantation, HLA-matching, tissue antigens, 251
Tumor growth, mathematical model, 135

Ultrasonic tissue characterisation, texture analysis, depth compensation, co-occurrence matrix, 143
Uncontrollable shock, learned helplessness, inescapable shock, animal models of depression, 265
Urinary incontinence, expert system, urodynamics, 217
Urodynamics, expert system, urinary incontinence, 217

Int J Biomed Computing, 22 (1988) 307
Elsevier Scientific Publishers Ireland Ltd.

INTERNATIONAL JOURNAL OF BIOMEDICAL COMPUTING

AUTHOR INDEX

Volume 22 (1988)

Abdullah, M.E., 65
Adorini, L., 165
Al-Ohali, T., 65
Arnaud, P., 199
Avanzolini, G., 39

Barbini, P., 39
Barbour, E.K., 225
Barnes, H.V., 233
Beck, J.S., 285
Bener, A., 65
Blinowska, K.J., 97
Bonabello, A., 51
Brown, R.A., 285
Bustamante, J.O., 273

Capello, A., 39
Cevenini, G., 39
Crampton, G.H., 295
Crema, A., 51

De Ponti, F., 51
Doria, G., 165
D'Angelo, L., 51

Franaszczuk, P.J., 97
Freeman, S.E., 121
Frigo, G.M., 51

Ghista, D.N., 9
Goldenberg, K., 233
Guillamon, A., 265

Hara, K., 29
Hong, Y.C., 183
Hori, E., 29

Jernigan, M.E., 9
Jilly, B.J., 107
Juhola, M., 239

Kamath, M.V., 9
Kelk, J., 285
Koelbl, H., 217
Koyanagi, T., 29

Ling, Y., 135
Llaurado, J.G., 3,77,159

McLochlin, C., 83
Mitraszewski, P., 97
Morlet, D., 199
Morris, D.T., 143

Nakahara, H., 29
Nakano, H., 29

Newman, J.A., 225
Nicolelis, M.A.L., 183

Offerman, G., 251

Park, W.J., 295
Parra, A., 265
Pillay, T.S., 259
Principe, J.C., 83

Reddy, S.N., 9
Riss, P.A., 217
Rubel, P., 199

Sanberg, P.R., 265
Sasipreeyajan, J., 225
Sette, A., 165
Smith, J.R., 83
Somoza, E., 265
Somoza, M., 265
Syed, A., 65

Thompson, B.D., 121

Upton, A.R.M., 9

Wergowske, G.L., 233
Willems, J.L., 199

Xu, X., 135